

## EXECUTIVE SUMMARY

On November 20, 2003, the Division for Air Quality received an application from Alcan Primary Products Corporation (Sebree Works) to construct/operate a primary and secondary Aluminum production plant in Henderson, Kentucky. This application was determined to be complete on December 7, 2005. This permit is a Title V/Synthetic Minor initial issuance. The facility took Synthetic Minor Limits to avoid PSD review. The limits of actual emission of Sulfur Dioxide from three potlines and Anode Bake Furnaces are limited to not more than 5262.3 tons per year, a limitation of no more than two Electric Induction Furnaces can be operated at the same time, and process rate for electric induction furnaces not to exceed total annual process rate of 9,360 tons of cast iron production based on 12 consecutive months. This will assure that emission increase of SO<sub>2</sub> is less than 40 TPY.

The issuance of a Title V/Federally Enforceable Synthetic Minor permit requires a preliminary determination and public notice. This has been done by the Division. An advertisement was placed in the Gleaner on February 8, 2006. The thirty-day comment period has expired with only comments received from Alcan Primary Products Corporation and the comments have been responded individually by Division of Air Quality, which have been detailed in "Response to Comments".

In conclusion, a thorough analysis has been made of all relevant information available which pertains to this application. The Division has concluded that the proposed operation will comply with all air quality regulations and requirements. EPA will be notified of this proposed permit. This proposed permit will become final upon approval of the EPA (after the 45 day comment period).